at1110paper__practice__test (v26)

1. Solve the equation.
$$6x^2 + 10x + 25 = 4x^2 - 5x - 3$$

2. Factor the expression.
$$25x^2 - 64$$

3. Expand the following expression into standard form.
$$(4x + 5)(4x - 5)$$

4. Expand the following expression into standard form.
$$(9x - 4)^2$$

5. Factor the expression.
$$x^2 + 5x - 24$$

6. Expand the following expression into standard form.
$$(9x - 5)(4x + 7)$$

7. Solve the equation with factoring by grouping.
$$15x^2 - 20x - 6x + 8 = 0$$

8. Solve the equation.
$$(3x + 5)(7x + 6) = 0$$